CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
WARNING: SHOCK HAZARD-
DO NOT OPEN

The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

To prevent direct exposure to the laser beam, do not try to open the enclosure.

WARNINGS:

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

DO NOT REMOVE COVER or OPEN CASING.
Dangerous high voltages are present inside the enclosure. Do not open the casing. Refer servicing to qualified personnel only.

Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.

**CLASS 1
LASER PRODUCT**

LASER:

Type: Dual semiconductor laser GaAlAs
Wavelength: 650nm and 780nm
Output Power: 7mW
Beam Divergence: 60 degrees

INVISIBLE LASER RADIATION WHEN OPEN OR INTERLOCK FAILED OR DEFEATED.

WARNINGS:

DO NOT STARE INTO BEAM. Avoid direct exposure to laser beam.

To prevent direct exposure to laser beam, do not try to open the enclosure.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: Read and observe all warnings and instructions in this user guide and those marked on your unit. Retain this guide for future reference.

This unit has been designed and manufactured in a way that ensures your personal safety.

Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use, and servicing. This unit does not contain any parts that can be repaired by the user.

Do not remove the casing or you may be exposed to dangerous voltage. Refer servicing to qualified service personnel only.

• Read all safety and operating instructions before operating your unit.
• Keep safety, operation, and use instructions for future reference.
• Heed all warnings on your unit and in the operating instructions.
• All operation instructions should be followed.
• Do not use this unit near water. For example, do not use this unit near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool or other areas located near water.
• Clean only with a dry cloth. Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners.
• Install in accordance with these instructions. Do not block the ventilation slots and openings in the unit, in order to ensure ventilation, and reliable operation of your unit. This will also prevent the unit from overheating.
• Do not place the unit on a bed, sofa, carpet or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless correct ventilation is provided or these instructions have been adhered to.
• Do not install near any heat sources such as radiators, heat registers, stoves, or other electronic devices (including amplifiers) that produce heat.
• Prevent the power cord from being walked on or pinched particularly at plugs and connections.
• The power cord and mains plug should remain easily accessible.
• Use only attachments or accessories specified by the manufacturer.
• Use only with the cart, stand, tripod, bracket or table specified by the manufacturer, or sold with this unit.
• Exercise caution when moving the cart/unit combination to avoid injury from tip-over.
• Unplug this unit during lightning storms or when unused for long periods of time.
• Refer all servicing to qualified service personnel. Servicing is required when your unit has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled into your unit or objects have fallen into it, your unit has been exposed to rain or moisture, it does not operate normally, or it has been dropped.
• When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or parts that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

CONTENTS

PACKAGE

DVD player   A/V cable
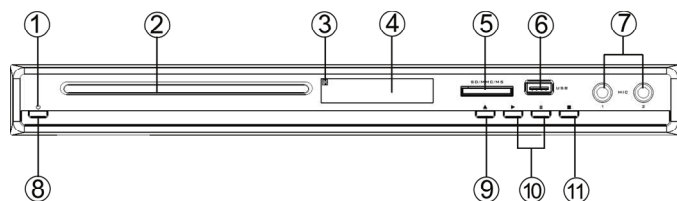Remote control   Instruction manual   Microphones (x2)
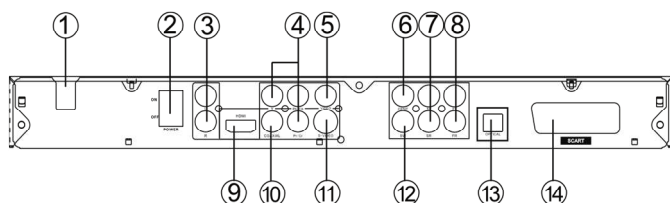
FRONT AND BACK PANEL

Front panel

1. LED indicator (red: standby/blue: on)
2. Disc tray
3. Infrared (**IR**) remote control sensor
4. LED display
5. **SD/MMC/MS** card slot
6. **USB** Port
7. **MIC 1-2** jacks (karaoke)
8. ⏻**STANDBY** button
9. **OPEN/CLOSE** ⏏ button
10. **PLAY/PAUSE** ▶❙❙ buttons
11. **STOP** ■ button

Back panel

1. Power cord
2. **POWER ON/OFF** switch
3. **L/R** (Left/Right) 2.0 audio outputs
4. Component video output (**Y, Pb/Cb, Pr/Cr**)
5. Composite **VIDEO** output
6. **CENT** (Center loudspeaker) audio output
7. **S-L/S-R** (Left Satellite Loudspeaker/Right Satellite Loudspeaker) audio outputs
8. **FL/FR** (Front Left Speaker/Front Right Speaker) audio outputs
9. **HDMI** output
10. Digital **COAXIAL** output
11. **S-VIDEO** output
12. **SW** (Subwoofer) audio output
13. Digital **OPTICAL** output
14. **SCART** output

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CONNECTIONS

Connecting to a TV

The way in which the unit is connected and the kinds of cables used can make a noticeable difference in picture and sound quality. Before selecting one of the options, please make sure that any other equipment has the required input/output connections. Use any of the options below:
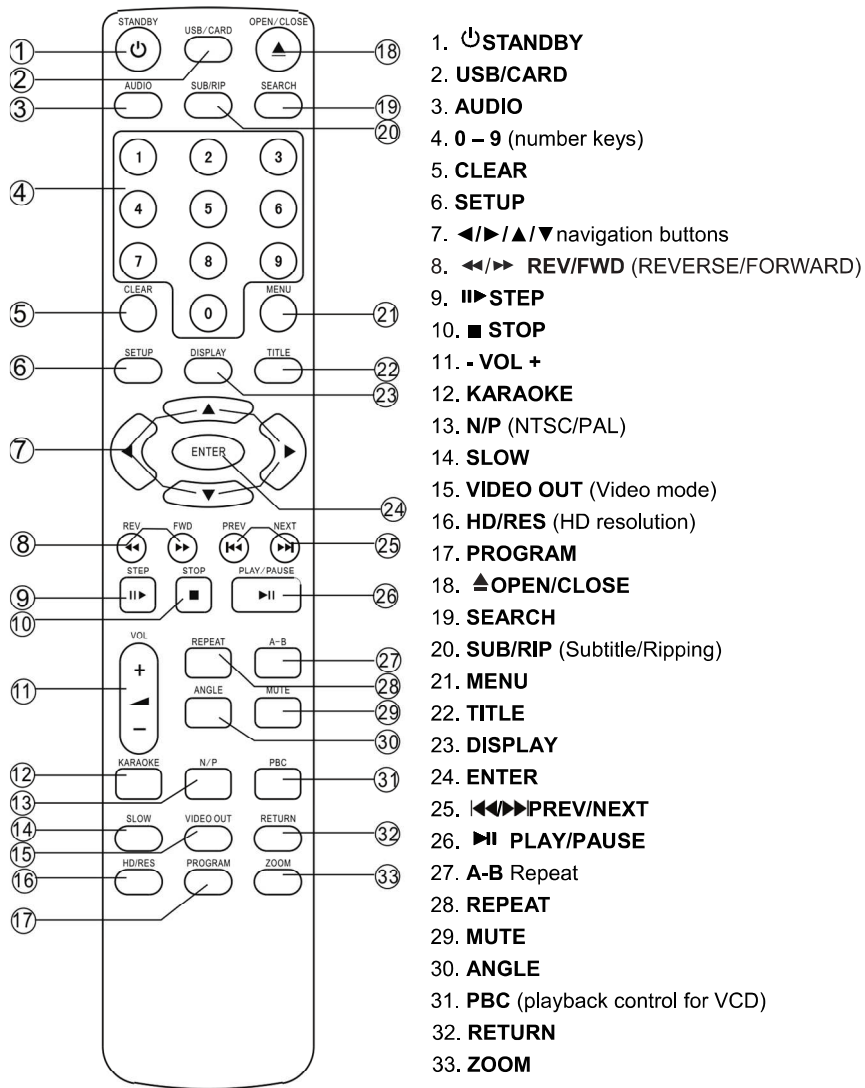
Different options for connecting your DVD player to a TV				
Output(s)	Picture quality	Cable	Cable supplied (Yes/No)	Video mode (Press the **VIDEO OUT** button on the remote control)
SCART	Normal	SCART cable	No	TV-RGB
Composite **VIDEO** output + **L/ R** (Left/ Right) audio outputs	Normal	A/V cable (yellow, white and red)	**Yes**	TV-RGB
S-VIDEO output + **L/ R** (Left/ Right) audio outputs	Good	S-VIDEO cable + A/V cable (white + red)	No	S-VIDEO
Y, Pb/Cb, Pr/Cr component video output + **L/ R** (Left/ Right) audio outputs	Very good	Component video + audio cable (white and red)	No	INTERLACE – YUV, P-SCAN YPBPR (for a TV with progressive scan)
HDMI	Excellent	HDMI cable	No	HD (Select HD OUTPUT in the SYSTEM SETUP menu)

Connecting to 5.1 speaker system/ amplifier

You can connect a 5.1 speaker system or amplifier to your DVD player in several different ways:

Different options for connecting to an amplifier			
Output	Sound quality	Cable	Cable supplied (Yes/No)
L/ R (Left/Right) 2.0 audio outputs	Normal	Audio cable (white and red)	**Yes (A/V cable)**
5.1 Channel digital audio outputs	Very good	Speaker cable	No
Digital coaxial output (**COAXIAL**)	Very good	Coaxial audio cable	No
Digital optical output (**OPTICAL**)	Very good	Optical cable	No

1. ⏻ **STANDBY**
2. **USB/CARD**
3. **AUDIO**
4. **0 – 9** (number keys)
5. **CLEAR**
6. **SETUP**
7. ◀/▶/▲/▼ navigation buttons
8. ◀◀/▶▶ **REV/FWD** (REVERSE/FORWARD)
9. **II▶STEP**
10. ■ **STOP**
11. **- VOL +**
12. **KARAOKE**
13. **N/P** (NTSC/PAL)
14. **SLOW**
15. **VIDEO OUT** (Video mode)
16. **HD/RES** (HD resolution)
17. **PROGRAM**
18. ⏏ **OPEN/CLOSE**
19. **SEARCH**
20. **SUB/RIP** (Subtitle/Ripping)
21. **MENU**
22. **TITLE**
23. **DISPLAY**
24. **ENTER**
25. ◀◀/▶▶ **PREV/NEXT**
26. ▶II **PLAY/PAUSE**
27. **A-B** Repeat
28. **REPEAT**
29. **MUTE**
30. **ANGLE**
31. **PBC** (playback control for VCD)
32. **RETURN**
33. **ZOOM**

GETTING STARTED
Power supply for the unit
1. Carry out the connections for the unit as shown in "CONNECTIONS".
2. Insert 2 AAA batteries (supplied) into the battery compartment in the remote control, taking care to follow the correct polarities.
3. Connect the power cord to an AC mains outlet. Set the **POWER** switch located at the back of the unit to the "ON" position and press the ⏻ button on the unit or on the remote control to turn on the unit.
4. Turn on the TV and set to the correct video-in source.
5. To go to standby mode, press the ⏻**STANDBY** button on the remote control or on the unit. If the unit is not to be used for a long time, please disconnect the power cord.
Notes:
* *The effective distance for remote control operation is about 5 meters.*
* *Replace the batteries when the remote control operating distance starts to reduce.*
* *If the remote control is not to be used for a long time, remove the batteries to avoid damage caused by battery leakage.*

Precautions when using batteries
1. Use only the size and type of batteries specified.
2. Ensure that you follow the correct polarities marked in the battery compartment when installing the batteries. Reversed batteries may damage the remote control.
3. Exhausted batteries must be removed to prevent possible battery leakage.
4. Dispose of batteries properly according to environmental regulations.

Inserting a disc
1. Press the ⏏ OPEN/CLOSE button on the remote or the button on the front panel to open the disc tray.
2. Insert a disc, press the ⏏ OPEN/CLOSE button on the front panel or the button on the remote control to close the disc tray. The unit will read the disc and start to play it, or it will display a start menu.

Inserting a USB device or an SD/MMC/MS card (in DVD mode)
* Insert a USB device or SD/MMC/MS card into the unit. The player will automatically play the files contained on the USB device or SD/MMC/MS card. If you have inserted a USB device and an SD/MMC/MS card, press the **USB/CARD** button on the remote control to select the source: DISC, CARD or USB.
*Notes:*
* *Please ensure the USB device or SD/MMC/MS card has been inserted.*
* *This unit cannot support NTFS format. If the unit does not recognize your USB device, please check the device's file system and format it in FAT or FAT32.*
  Although you can watch a movie immediately, to get the best from this unit, it is recommended that you proceed with the Basic Setup first.

BASIC SETUP
Press the ⏻**STANDBY** button to turn on the unit and press the **SETUP** button when no disc has been inserted or in stop mode to enter the SYSTEM SETUP menu.

Basic Operation
1. Press ◄ or ► to navigate to select one of the menus below (icons at the top of the display):
   * SYSTEM SETUP
   * LANGUAGE SETUP

• AUDIO SETUP
• VIDEO SETUP
• SPEAKER SETUP
• DIGITAL SETUP

2. Press ▲ or ▼ to select different settings in a menu. Press ► or ENTER to confirm the setting.
3. Press ▲ or ▼ to select a new setting, then press ENTER to confirm the new setting.
4. Repeat steps 1 to 3 to change any settings.
5. Press the **SETUP** button to exit setup.
   For more details, please refer to the next chapters.

1.   SYSTEM SETUP

1.1 "TV SYSTEM"
This player supports two different TV systems: NTSC or PAL. The system can be changed to match your TV.
"NTSC": Select this system if your television supports the NTSC color system used in North America.
"PAL": Select this system if your television supports the PAL color system used in Europe and Asia.
"AUTO": Select this option to automatically switch to PAL or NTSC mode according to the disc inserted.
Note: If you use the HDMI output and the disc's color system is different to the TV system selected, the image may flicker. Select the "AUTO" option to adjust it.
Note: You can also use the **N/P** button on the remote control to select the TV system in stop mode.

1.2 "SCREEN SAVER"
Use this setting to turn the screen saver option on or off. If you turn the screen saver on, the screen saver image appears when you leave the player in stop mode more than 3 minutes. It protects the television screen from being damaged.
On: To turn screen saver on.
Off: To turn screen saver off.

1.3
"VIDEO"
Select the video output mode. Please ensure that you have connected the corresponding video source. In order to do this, refer to "CONNECTIONS".
Interlace-YUV: Select this option when the player is connected to a TV via a Y, Cb or Cr input.
TV-RGB: Select this option when the player is connected to a TV via a composite VIDEO or SCART input.
P-SCAN YPBPR: Select this option when the player is connected to a TV with a progressive scan Y, Pb, Pr input.
S-VIDEO: Select this option when your player is connected to a TV via an S-VIDEO input.
Note:
You can also use the **VIDEO OUT** button on the remote control to select the video output mode in STOP mode.

1.4 "HDMI OUPUT"
This function allows you to select the screen resolution for the HDMI output.
Notes:

● *If your TV or monitor does not support HDCP, the screen will turn blue during playback of DVDs which are protected by copyright.*

● *The HDMI output options depend on the TV system selected (PAL or NTSC).*

● *Refer to your TV's instruction manual for more*

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information on how to select the video input source.
- *Please ensure that your HD TV supports the high resolution that you have selected.*
- *You can also select a resolution using the HD/RES button on the remote control.*

1.5 "TV TYPE"
"4:3 PS" Select this format if the unit is connected to a normal TV. The left and right edges of the wide
screen images are cut so that the image can be displayed in full screen.
"4:3 LB" Select this format when the unit is connected to a normal TV. Wide screen images are shown
on screen, with black bands on the top and bottom.
"16:9" Select this format when the unit is connected to a widescreen TV.
Notes:
- *Some discs may not be able to play according to your selection, due to the format used to record the
disc.*
- *A disc recorded in 4:3 format will only play in 4:3 format.*
- *Choose a TV format that corresponds to your TV.*

1.6 "PASSWORD" & "RATING"
Many DVDs contain Motion Picture Association rating codes. This DVD Player will recognize the
codes on these discs, providing a method to prevent children from viewing films which are not suitable
for them.

1 (Kid safe): Suitable for all audiences.
2 (G): Suitable for general audiences.
3 (PG): Parental guidance suggested.
4 (PG-13): Parental guidance suggested, unsuitable for children under 13.
5 (PG-R): Parental guidance recommended - brief scenes containing mature language or situations.
6 (R): Restricted - violence, adult language and situations unsuitable for young viewers.
7 (NC 17): Adult theme or content, not suitable for children under 17.
8 (Adult): Adult themes, language and nudity. Select this level of control to switch off parental control.

1. Press ▲ or ▼ to highlight "Rating", then press ►. Select a parental control level and press **ENTER.**
2. Press ▲ or ▼ to select Password and press ►. Use the number keys (0-9) to enter the four-digit
password (the default password is "0000") and press **ENTER** to confirm. The system is locked,
which means that the parental control function is switched on.
3. In the SYSTEM SETUP menu, press ▲ or ▼ to highlight "Password" and press ►. Use the number
keys (0-9) to enter the four-digit password (the default password is "0000") and press ENTER to
confirm. The system is unlocked, which means that you can adjust the setup for parental control. If a
mistake is made, enter the 4-digit password again. DVDs that are rated above the selected level will
not play. To change the password, first enter the old password, then enter the new password.
🔓Indicates that the parental lock is NOT active. 🔒indicates that the parental lock is active.
Notes:
- *The rating levels are only functional when the parental lock is active.*
- *The rating levels can only be changed when the parental lock is not active.*

1.7 "DEFAULT"
This option allows you to restore the default settings.

2.LANGUAGE SETUP
You can select different languages for the setup menu.
You can also select different languages for the audio,
subtitles, and disc menu available on the DVD.

2.1 "OSD LANGUAGE"

Select the on screen display language.
2.2 "AUDIO LANG"
Select the audio language.
2.3 "SUBTITLE LANG"
Select the language for the subtitles displayed on the TV screen.
2.4 "MENU LANG"
Select the disc menu language.
2.5 "MPEG4 SUBTITLE"
Select an alphabet for the MPEG4 subtitles.

3.AUDIO SETUP

3.1 "AUDIO OUT"
If an amplifier is connected to the unit's "COAXIAL" or "OPTICAL" socket, the following settings can be selected.

"SPDIF/OFF": The audio signal is not transmitted via the "COAXIAL", "OPTICAL" or "HDMI" output. Select this option when no digital output is used.
"SPDIF/RAW": Dolby Digital signals are unaltered. Generally, this setting is used with a digital 5.1 channel receiver.
"SPDIF/PCM": Dolby Digital and MPEG 2 multi-channel signals are converted to PCM (Pulse Code Modulation). This setting is suitable for amplifiers or receivers without digital multi-channel sound decoders.
Note:
• *This unit cannot support DTS decode.*
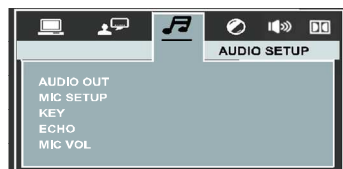
3.2 "MIC SETUP"

"AUTO": Select this option to turn the microphone function on.
"OFF": Select this option to turn the microphone function off.
You can also press the **KARAOKE** button on the remote control to turn the microphone function on or off.

3.3 "KEY"
Use the ▲ or ▼ button to adjust the key tone.

3.4 "ECHO"
Select this option to adjust the echo effect.

3.5 "MIC VOL"
Select this option to adjust the microphone volume.

4.VIDEO SETUP
Use the ▲ or ▼ button to adjust the **BRIGHTNESS, CONTRAST, HUE, SATURATION** and **SHARPNESS** of the video output quality.

5.SPEAKER SETUP

5.1 "DOWNMIX"
LT/RT: This option allows you to listen to the soundtrack as it would sound in a movie theatre, if the original movie was recorded in the Pro Logic Dolby Digital format.
STEREO: When 2-channel sound is played, select this option to obtain stereo sound.

VSS: When 5.1-channel sound is played, the surround sound effect will be heard on the main soundtrack.
5.1 CH: The 5.1-channel sound is output.

5.2 "SUBWOOFER"
OFF: The subwoofer output is disabled.
ON: The subwoofer output is enabled.

5.3 "CENTER DELAY" / "REAR DELAY"
These options allow you to adjust the sound signal delay of the center and rear speakers.

5.4 "FRONT"
LARGE: Select this option for bass and treble audio signals to be sent to the speakers that can handle wide range sound frequencies.
SMALL: Select this option so that only treble audio signals are sent to the speakers that can handle narrow range frequencies.

6.DIGITAL SETUP

6.1 "**OP MODE" (dynamic compression)**

LINE OUT: This option allows the user to adjust the dynamic compression in order to limit variations in volume to a level that is suitable for use at night.
RF REMOD: This option switches off dynamic compression for daytime use (the volume variations are set to normal).

6.2 "**DYNAMIC RANGE"**
Select "LINE OUT" in OP MODE to adjust the compression rate. Select "FULL" to limit the volume variations as much as possible. Select "OFF" to switch off the dynamic compression function.

6.3 "**DUAL MODE"**
Select this sub-menu to setup the L and R output modes. You can choose between 4 modes STEREO, MONO L, MONO R, and MIX MONO.

PLAYING DVD / CD / VCD DISCS

1. ⏏ (Open / Close)
• Press to open the disc tray.
Note: Load the disc on the disc tray with disc label facing upwards.
• Press this button again to close the disc tray. The unit will start playback automatically.

2. ▶❚❚ (PLAY/PAUSE)
• Press the **▶PLAY** button on the remote control to start playback. Press the **❚❚PAUSE** button to pause playback.

3. ❚❚▶STEP (Frame-by-Frame Advance)
  The image can be advanced frame by frame.
• For DVD / VCD playback, press **STEP** to advance frame by frame. Each time you press the button, playback will advance by one frame. Press **▶ PLAY** to resume normal playback.

4. SLOW
Press the **SLOW** button to start forward slow motion play in the following sequence: 1/2, 1/3, 1/4, 1/5, 1/6, 1/7. Press the **▶ PLAY** button to resume normal playback.
Note: Slow motion is not applicable to CD playback.

5. ◀◀/▶▶ (forward/backward search)

Press the ◄◄/►► buttons to perform a fast forward or backward search. Press the ► **PLAY** button to resume normal playback. Each time these buttons are pressed, the playback speed will be adjusted in the following sequence: x2, x4, x8, x20. Press the ► **PLAY** button to resume normal playback.

6. |◄◄/►►| (Skip Forward/Backward)
When a disc is playing, you can skip backward/forward to the next track or chapter.
• Press the |◄◄ button to skip to the beginning of the previous chapter or track.
• Press the ►►| button to skip to the beginning of the next chapter or track.
  For audio CDs, use the number buttons to directly select a track number.

7. ■ (Stop)
• Press ■ once to stop the current playback instantly and enter the "Resume Play" mode. Press ►‖ **PLAY/PAUSE** to resume playback from the point where the disc was stopped.
• Press ■ twice to stop playback completely. It is now impossible to resume playback from the place where playback was stopped. Press ► **PLAY** to start playback from the beginning of the disc.

8. MENU
• Press to display the disc menu.
Notes:
This button has no function during playback of an audio CD. For VCDs, this function is only available in PBC ON mode.

9. TITLE
• Press to display the title menu if available on the disc (DVD only).

10. ZOOM
The picture size can be magnified or reduced during playback.
• When a disc is playing, press the **ZOOM** button. Each time the **ZOOM** button is pressed, the ZOOM settings will be changed as follows:
  ZOOM 2 --> ZOOM 3 --> ZOOM 4 --> ZOOM 1/2 --> ZOOM 1/3--> ZOOM 1/4 --> ZOOM: OFF
• While an image is magnified, use the ▲, ▼, ◄ and ►keys to pan the image for viewing.
• To return to the normal view, press the **ZOOM** key until the message ZOOM: OFF is shown. The screen will return to normal.

11. ANGLE
ANGLE (change the viewing angle on a DVD)
Different viewing angles can be selected when playing a DVD video disc that contains scenes recorded from multiple angles.
• Press **ANGLE** repeatedly to select different viewing angles if available on the disc.

12. AUDIO (select one of the subtitle languages available on the disc)
During DVD playback, different audio languages can be selected.
• When a disc is playing, press **AUDIO** to show the current audio language.
• Press repeatedly to select the desired audio language.
Note:
• For VCD playback, press the AUDIO button to select an audio output (STEREO, Mono L, Mono R, Auto L, Auto R). Auto L and Auto R can be only selected when the microphone function is turned on (refer to "MIC SETUP" in section 3.2).
• If a DTS disc is playing, there will be no sound output when DTS audio format is selected.

13. SUB/RIP
(To select one of the Subtitle Languages available on the disc)
During playback, you can change the subtitle language or disable the subtitle function.
• While a disc is playing, press **SUB/RIP** to show the current subtitle playback language.

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• Press repeatedly to select the desired subtitle language.
Notes:
• This function can only be used for discs on which different subtitle languages have been recorded.
• The number of languages recorded may be different depending on the disc.
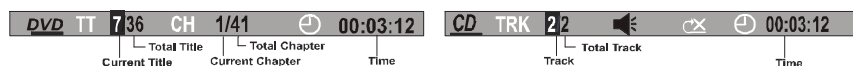*• This button is also used to rip audio CDs (see page 14 -15).*

ADVANCED PLAYBACK FUNCTIONS

1. DISPLAY function
While a disc is playing, press **DISPLAY** to display the playback information available, depending on the disc.

2. SEARCH function
This function allows you to select any point on the disc and to start playback from this point.

2.1 Selecting a Specific title/chapter/time on a DVD or track on a CD/VCD
You can select any specific title/chapter/track/time and start playback from this point by directly selecting it.
• Press **SEARCH** .
• Press ◄ or ► to highlight the title / chapter / track / time field and press the corresponding number key.
• Press **ENTER** to confirm. The unit will then start playback from the selected position.
Notes:
• Some discs may not allow the use of this function.
• Some scenes may not be located as precisely as specified.
• This method for accessing a specific location is available only within the current title (DVD) or current track (CD).
• For VCDs, this function only works if PBC is off.
• Press CLEAR to delete any mistakes.

3.Programming playback
You can choose the order in which the contents of the disc can be played.
• Press the **PROGRAM** button.
Note:
During VCD/SVCD playback, this function is only available when PBC is OFF.

3.1 DVD Programming
• Enter the title number of your choice   (2 digit format, e.g. 01).
  Use the ◄ / ► buttons to highlight the chapter number and enter the chapter number in two digits.
• Use ◄, ►, ▲ or ▼to move to another field.
• Repeat the above steps for the next titles/chapters.
• Press ► **PLAY** or highlight PLAY on the screen and press **ENTER** to start the programmed playback.
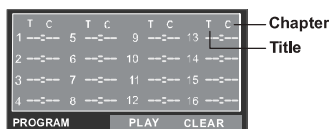
3.2 CD/VCD/SVCD Programming
• Enter the track number of your choice.
• Refer to the previous section to program the tracks of your choice.

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3.3 Clear the Programs

・ Highlight the current field on the screen and press **CLEAR** to delete the program.

Note:

・ Highlight "CLEAR" on the PROG screen and press **ENTER** to delete all programs.

4. Repeat playback

A specific title, chapter or track can be played repeatedly.

Note: During VCD / SVCD playback, repeat playback is only available when PBC is OFF.

4.1 Repeating a Title/Chapter/Track/All disc

・ Press the **REPEAT** button

For DVDs : "OFF"> "CHAPTER" > "TITLE" >"REP ALL"

For CD/VCD/SVCD discs: "OFF"> "REP 1" > "REP All"

For MP3/JPEG/WMA files: "OFF">"REP 1">"REP DIR">"REP All"

4.2 Repeating a Specific Section

A-B repeat playback allows a specific section to be repeated.

・ While the disc is playing, press the **A-B** button to set the beginning of the section (point A) to be played repeatedly.

・ Press the **A-B** button again to set the end of the section (point B) to be played repeatedly.

・ The unit will then immediately begin replaying the selection (A to B) repeatedly.

・ Press the **A-B** button again to clear the programmed repeat playback and return to normal playback.

Note:

・ *The A-B repeat function can only be used within the same title or track. If points A and B are defined in different titles or tracks, A-B repeat is cancelled.*

5.VCD/SVCD playback control

While a VCD / SVCD is playing, press **PBC** repeatedly to switch PBC (Playback Control) on or off.

・ If PBC ON is selected, the disc menu (if available) will appear on the TV. Use the ◄◄/►► buttons or the number keys (**0-9**) to select an option.

PLAYING MP3 / JPEG / WMA / MPEG 4 FILES

1. ►II **(PLAY/PAUSE)**

・ Press the ►**PLAY** button to start playback. Press the II**PAUSE** button to pause playback.

2. ◄◄/►► **(Skip)**

・ Press to skip to the next/previous track or picture.

3. ■ **(Stop)**

・ Press to stop playback and display the selection menu (JPEG and movie files).

Note: Press ► PLAY to play from the beginning.

4. **ZOOM**

・ Press to zoom into the picture when playing JPEG or MPEG4 files.

5. **Flipping and rotating a still picture (JPEG)**

・ Press the navigation keys(▲,▼,◄,►) to flip or rotate a still picture.

▲: flip the picture vertically.

▼: flip the picture horizontally.

◄: rotate the picture 90° counterclockwise.

►: rotate the picture 90° clockwise.

6. **Audio (MPEG4)**

・ During playback, press **AUDIO** to show the current playback audio language.

- Press repeatedly to select the desired audio language.

7. **Subtitle (MPEG4)**
- The unit can only support MPEG4 files with external subtitles.
- To use the subtitle function:
1). Download or create the subtitle file with the specified format, e.g. Subrip (*.srt), MicroDVD (*.sub), SAMI Captioning (*.smi), SubViewer 2.0 (*.sub).
2). Give the MPEG 4 movie and subtitle file the same name (e.g. abc.avi and abc.srt). Burn them to a CD disc or copy them to a USB device or SD/MMC/MS card.
3). Insert the disc, USB device or SD/MMC/MS card and select the MPEG4 file to play, then press **SUB/RIP** to turn the subtitles on or off.

Selection Menu

The selection menu will appear when MP3/WMA/JPEG/MPEG4 files are read. All the folders will appear on the left hand menu and will be numbered in ascending order. When one of the folders is highlighted, all the contents of the folder will be displayed on the right side of the menu. You can display one type of file (music, pictures or films). Use the navigation keys to highlight the icon corresponding to the type of file that you would like to select (music, image or film). These icons can be found at the bottom of selection menu. Press **ENTER** to confirm. Then select the files and press **ENTER** or ►**PLAY** to start playback.
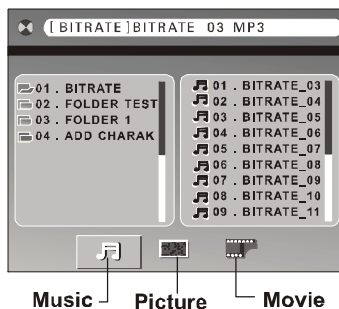
[MUSIC] --- MP3 / WMA files
The unit will play the MP3 / WMA file currently selected. It will then play all the files in the sub-folders contained within the current folder. After that, the unit will play the remaining folders on the disc.

[PICTURE] --- JPEG files
Press ►**PLAY**, and the unit will start a slideshow from the JPEG file currently selected. Then you can zoom in on or rotate the displayed pictures. You can also select a folder and display all the files in that folder. Select the folder of your choice and press the ►**PLAY** button. During playback, press the **PROGRAM** button repeatedly to select a picture refreshing mode.

[MOVIE] --- MPEG 4 files
The unit will read the file currently selected.
Notes:
- *WMA, MP3, JPEG and MPEG4 files cannot be played simultaneously.*
- *The highlighted icon at the bottom of the menu indicates what kind of file is playing.*

AUDIO CD RIPPING (ENCODING IN MP3 FORMAT)

With this player, you can convert your favorite audio CDs into MP3 format and save the files on a USB device or SD/MMC/MS card.
1. Check that the USB device or SD/MMC/MS card has been properly connected.
2. Insert a CD disc that contains the music you want to record into the disc tray.
3. Use the **USB/CARD** button on the remote control to select the disc mode.
4. Press the **SUB/RIP** button on the remote control, the CD RIPPING menu is then displayed on the screen.

- In the **OPTIONS** menu, use the ▲, ▼, ◄ or ► buttons to choose an option and then press **ENTER** to change the settings.

ENCODE OPTIONS
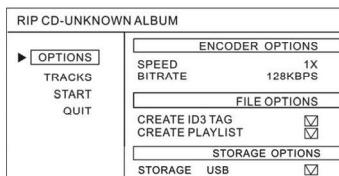
SPEED: Set the encoding speed between 1X and 4X.
BITRATE: You can choose one of the following bitrates: "128KBPS", "160KBPS", "192KBPS", "256KBPS" and "320KBPS". The sound quality of the MP3 files depends on the compression rate that you choose. In order to obtain audio quality similar to that of a CD, use a sampling rate between 128 Kbps and 160 Kbps. Use of a higher rate, such as 192 Kbps or more, rarely gives better quality. Conversely, files with a decompression rate lower than 128 Kbps are not of sufficient quality.

```
RIP CD-UNKNOWN ALBUM

                    ☑  TRK   TITLE      LENGTH
   OPTIONS          ☑  1     TRACK 1    3:10
▶ [ TRACKS ]        ☑  2     TRACK 2    2:49
                    ☑  3     TRACK 3    4:06
   START            ☑  4     TRACK 4    2:59
   QUIT             ☑  5     TRACK 5    3:40
                    ☑  6     TRACK 6    2:55
```

FILE OPTIONS

CREATE PLAYLIST: This option allows you to create a playlist under the name "Unknown Album.m3u". This list includes all the recorded tracks and can be played on a PC.

STORAGE OPTIONS

This option allows you to select the source on which you would like to record the tracks: USB device or SD/MMC/MS card.

- In the **TRACKS** menu, the default is to record all the tracks that have a "cross" mark in the box next to them. You can uncheck all the tracks or several tracks of your choice. In order to do this, you can use ▲ or ▼ to select the track that you do not want to record and then press **ENTER** to confirm deletion.
- In the **START** menu, you can check the total tracks, total time and total size that you want to record.

```
RIP CD-UNKNOWN ALBUM

                                      SUMMARY
   OPTIONS      TOTAL TRACKS              16
   TRACKS       TOTAL TIME             56:16
▶ [ START ]     TOTAL SIZE           128.7MB
   QUIT
                       PRESS ENTER TO BEGIN
```

Press **ENTER** to start playing and recording the selected tracks.
--> The track progress bar and total progress bar will display on the screen, indicating the recording progress.
--> During recording, highlight "**CHANGE SPEED**" and press **ENTER** to change the encoding speed. If you select the encoding speed 4X, the sound will be muted.
--> Highlight "**CANCEL**" and press "**ENTER**" to stop recording.
--> The message "**FULL**" appears if the storage space on the USB device is full.

```
TRACK 1
TRACK PROGRESS
■■■■■■■■

TOTAL PROGRESS
■

SPEED: 1X
[ CHANGE SPEED ]  [ CANCEL ]
```

When recording is complete, press **ENTER** to confirm.
- Highlight **QUIT** and press **ENTER** to exit the CD RIPPING menu.
- All the tracks are saved in the folder named "Unknown Album".

Notes:
- If the message "ERROR" appears during CD ripping, or the MP3 files cannot be read after ripping, please format the USB device or SD/MMC/MS card in FAT or FAT32 and then start the ripping again.

TROUBLESHOOTING GUIDE

If it appears that the unit is faulty, first consult this checklist. It may be that something simple has been overlooked.

Note: *Under no circumstances should you try to repair the unit yourself as this will void the warranty. Only qualified service personnel should remove the cover or service this unit.*

NO POWER
- Check if the power cord is properly connected.
- Check that the player is switched on. Check if the POWER switch is set to the "ON" position.

NO PICTURE
- Check if the TV is switched on.
- Check if the correct AV input is selected on the TV (refer to the TV manual for more details).
- Check the video connection between the player and TV.

NO PICTURE AT HDMI OUTPUT.
- Check if the HDMI input is selected on your TV.
- Check if the HDMI resolution selected corresponds to resolution of your HD TV.
- Check if your HD TV supports HDCP.

BAD QUALITY PICTURE
- Check the disc for fingerprints and clean with soft cloth, wiping from the center to the edge.
- Check if the disc format is compatible with the TV (PAL/NTSC).

BLACK AND WHITE PICTURE
- Check if the disc format is compatible with the TV (PAL/NTSC).
- Check that DVD player is not connected via the VCR.

PICTURE INTERFERENCE
- Relocate the unit further away from possible sources of interference or emissions (e.g. radio, power amplifier, radiator etc.).

NO SOUND FROM THE MICROPHONES
- Turn on the microphone function.
- Adjust the microphone volume.

THE PLAYER DOES NOT RESPOND TO THE REMOTE CONTROL
- Aim the remote control directly at the sensor on the front of the player.
- Avoid all obstacles which may interfere with the transmission path.
- Check the polarity of the batteries.
- Inspect and/or replace the batteries.

NO SOUND FROM THE SPEAKERS
- Check the speaker cable connections.
- Check that the volume control is NOT at the minimum setting.
- Check that the mute function is not activated.
- Check if the disc is defective by trying another disc.

NO SOUND
- Check audio connections.
- If using a Hi-Fi amplifier, try another sound source.
- Clean the disc.
- Check if the disc is defective by trying another disc.

NO AUDIO FROM DIGITAL OUTPUT
- Check the digital connections.
- Check the audio setup menu to make sure that the digital output is correctly set.
- Check if the audio format selected is compatible with the player.

DISC CANNOT BE PLAYED
- Ensure disc is placed properly in the disc tray.

IMPROPER FUNCTIONING
- The normal function of the product may be disturbed by external interference. Just reset the product by unplugging the power cord and plugging it back in.

TECHNICAL SPECIFICATIONS

Power supply	AC 230V ~ 50 Hz
Power consumption	20 Watts
Discs and files supported	DVD-Video, DVD+R/RW DVD-R/RW, CD-DA, CD-R/RW, MP3, JPEG, VCD2.0, Full compatibility with MPEG 4, Xvid (.avi) The zone this player can play discs from zone "2". This indication is marked on the DVD disc label.
TV system	PAL/NTSC
Video out	Composite video 1.0 Vp-p 75 Ohm
Audio out	Analog audio out 2.0 Vp-p / 10K Ohm load
Frequency response	20Hz -20KHz +/- 3dB
Output terminals	Audio/video (composite) output x 1 SCART output x 1 S-VIDEO output x 1 Y Pb/Cb, Pr/Cr component video output x 1 5.1 Channel audio output (left front/back, right front/back, center, subwoofer) x 1 Digital coaxial output x 1 Optical output x 1 HDMI output x 1
USB Port Type	2.0
Maximum Capacity supported by the USB Port	8 GB
Card slot type	SD/MMC/MS
Maximum Capacity supported by the card slot	4 GB Some external hard disks may not be supported (particularly if they are not in FAT32 format). Detecting and scanning the hard disk may sometimes take a few minutes.
Dimensions	Player: 215 (L) X 360 (W) X 38 (H) mm
Weight (full package)	Approx 1.6 Kg

Note: *Due to continuing improvements, these technical specifications are subject to change without notice.*

If at any time in the future you should need to dispose of this product please note that waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice (Waste Electrical and Electronic Equipment Directive).